

ABSTRACT OF THE DISCLOSURE

HYDRAULIC BRAKING DEVICE FOR TURBINE, TURBINE EQUIPPED WITH
SUCH A DEVICE AND DRILLING EQUIPMENT COMPRISING SUCH A
TURBINE

The hydraulic braking device (10) to be installed in a turbine (2) provided with a turbine shaft (4) comprising at least one body (12) connected to the said turbine shaft (4).

5 When the said hydraulic braking device (10) is immersed in a fluid medium, axial rotation of the turbine shaft (4) about its axis causes a movement of the said at least one body (12) with respect to the said fluid medium, this movement generating a resisting torque (T) related to the rotation speed of the turbine shaft (4) through a non-linear relation.

10 Figure 1.